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Indian Standard
SPECIFICATION FOR
LIMITED SUPPLY PLUGS

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SPECIFICATION FOR LIMITED SUPPLY PLUGS

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Panel for Lubricating Nipples, Adaptors and Connectors, EDC 63 : P1

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Indian Standard
SPECIFICATION FOR
LIMITED SUPPLY PLUGS

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 5 December 1973, after the draft finalized by the Lubricating Equipment Sectional Committee had been approved by the Mechanical Engineering Division Council.

0.2 The limited supply plug restricts the volume of lubricant injected into the system. It is used primarily on machinery where it is essential to avoid excessive lubrication, for instance, the food and textile machinery. This standard deals with the requirements of two types of limited supply plug assemblies.

0.3 In the preparation of this standard, assistance has been derived from B.S. 1486 : Part 1 : 1959 'Lubricating nipples and adapters' issued by the British Standards Institution.

0.4 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard specifies the overall dimensions and other requirements for limited supply plugs for use with either grease or oil.

1.1.1 It does not deal with the component parts of the limited supply plug assemblies.

NOTE — Limited supply plugs for use with grease are intended to operate with grease of the type normally employed for lubrication of ball and roller bearings at normal temperature. The limited supply plugs for oil are intended to be used with oils having a viscosity between the 500 and 2 500 centistokes at normal temperature.

*Rules for rounding off numerical values (*revised*).

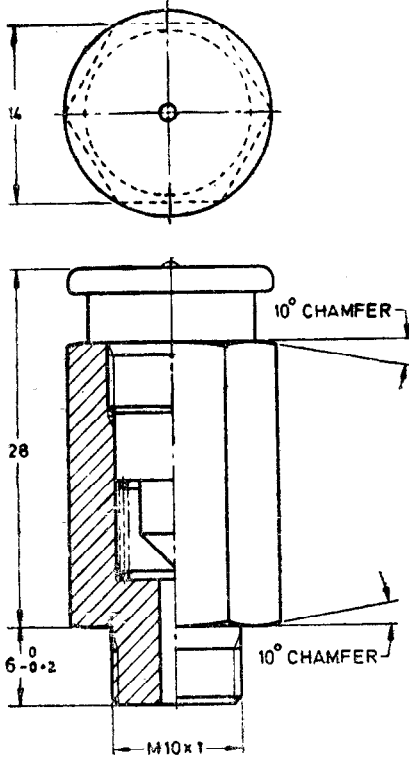
2. TYPES

2.1 The limited supply plugs shall be of following two types:

- a) Button head limited supply plug, and
- b) Hydraulic limited supply plug.

3. DIMENSIONS

3.1 Button Head Limited Supply Plug — The overall dimensions of button head limited supply plug shall be as given in Fig. 1. The head profile shall conform to that for button head grease nipples (see IS : 4009-1967)*.



All dimensions in millimetres.

FIG. 1 BUTTON HEAD LIMITED SUPPLY PLUG ASSEMBLY

*Specification for grease nipples.

3.2 Hydraulic Limited Supply Plug — The overall dimensions for hydraulic limited supply plug shall be as given in Fig. 2. The head profile shall conform to that for conical head grease nipples (see IS : 4009-1967)*.

4. MATERIAL

4.1 The body of limited supply plug shall be manufactured from free cutting brass conforming to IS : 319-1968† or from brass or bronze having hardness value in the range of 110 to 190 *HV* 5. Steel, if used, shall conform to the property class 4·8 given in IS : 1367-1967‡.

4.2 The material for nipples shall be as specified in IS : 4009-1967*.

5. WORKMANSHIP AND FINISH

5.1 The plug shall be finished smooth and shall be free from burrs, cracks and other manufacturing defects. Threads shall be clearly formed and free from any imperfections.

5.2 Bodies of limited supply plugs manufactured from steel shall be plated with zinc or cadmium.

6. DESIGNATION

6.1 Limited supply plugs shall be designated by the following:

- a) Type,
- b) Grease or oil, and
- c) Number of this standard.

Example :

A limited supply plug of button head type, for use with grease shall be designated as:

Button Head Limited Supply Plug (Grease) IS : 7089

7. MARKING

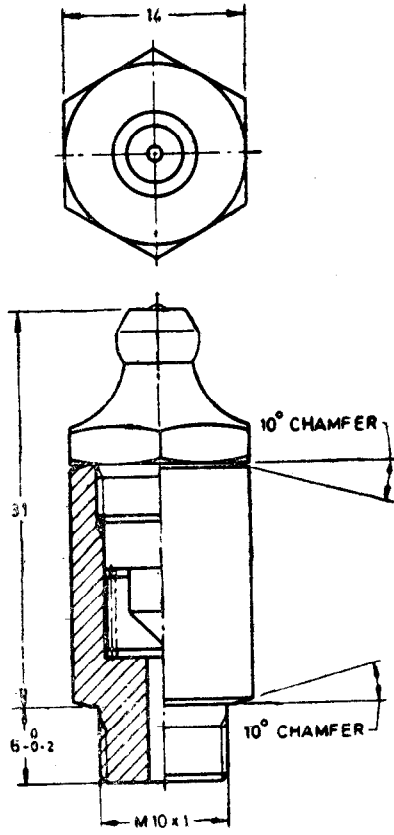
7.1 A limited supply plug shall be marked with the following:

- a) The word 'GREASE' or 'OIL' whichever is appropriate, and
- b) Manufacturer's name or trade-mark.

*Specification for grease nipples.

†Specification for free cutting brass rods and sections (revised).

‡Technical supply conditions for threaded fasteners (first revision).



All dimensions in millimetres.

FIG. 2 HYDRAULIC LIMITED SUPPLY PLUG ASSEMBLY

7. 1.1 The limited supply plugs may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

8. PACKING

8.1 The limited supply plugs shall be packed in accordance with the best prevalent trade practice or as agreed between the purchaser and the supplier.